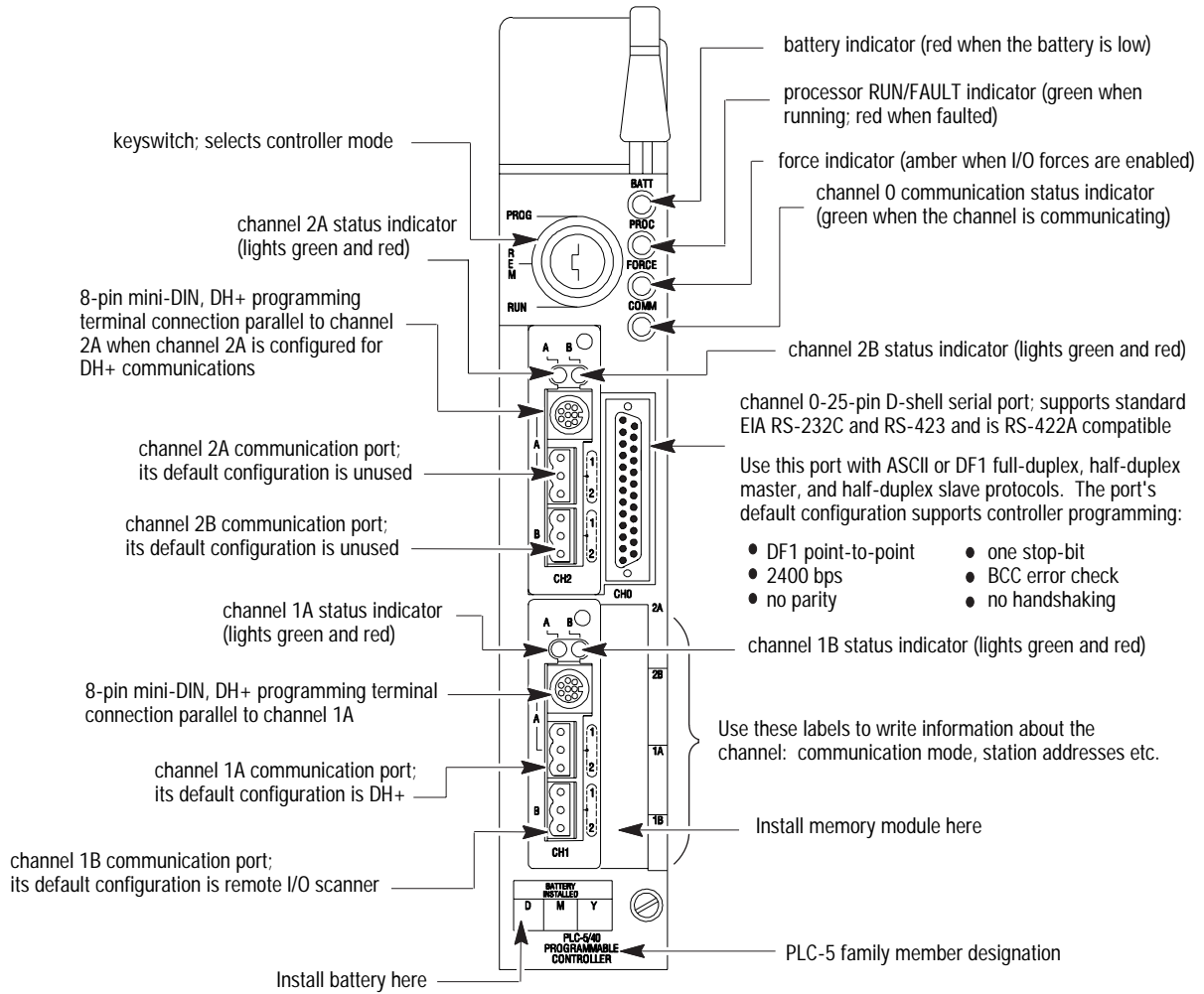


PLC-5/40, -5/46, -5/60, -5/80, and -5/86 Controller Front Panels



Additional System Components

Along with your Enhanced PLC-5 programmable controller, you need the following components to complete a basic system:

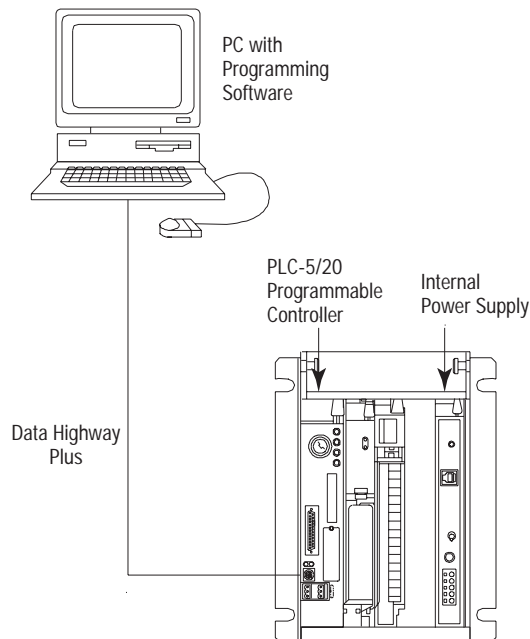
Product name	Cat. No.
lithium battery	1770-XYC
I/O chassis	1771-A1B, -A2B, -A3B, -A3B1, -A4B
power supply	1771-P4S, -P6S, -P4S1, -P6S1
personal computer	

IMPORTANT

In this document, we assume you are using a brand-new Enhanced PLC-5 programmable controller.

Install the System Hardware

This illustration shows a basic Enhanced PLC-5 programmable controller system.



For more information, see the Enhanced and Ethernet PLC-5 Programmable Controllers User Manual, publication number 1785-UM012.

Prevent Electrostatic Discharge

ATTENTION



This equipment is sensitive to electrostatic discharge that can cause internal damage and affect normal operation. Follow these guidelines when you handle this equipment:

- touch a grounded object to discharge potential static
- wear an approved grounding wrist strap
- do not touch connectors or pins on component boards
- do not touch circuit components inside the equipment
- if available, use a static-safe workstation
- when not in use, store the equipment in appropriate static-safe packaging

Specifications (continued)

Hardware Addressing	2-slot <ul style="list-style-type: none"> • Any mix of 8-pt modules • 16-pt modules must be I/O pairs • No 32-pt modules 1-slot <ul style="list-style-type: none"> • Any mix of 8- or 16-pt modules • 32-pt modules must be I/O pairs 1/2-slot—Any mix of 8-, 16-, or 32-pt modules	
Communication	<ul style="list-style-type: none"> • Serial • DH+ (trunk line: 3048 cable-m (10,000 cable-ft) drop line: 30.4 cable-m (100 cable-ft)) • DH using 1785-KA • Remote I/O 	Wiring Category 2 ²
	<ul style="list-style-type: none"> • extended-local I/O (PLC-5/40L and -5/60L controllers only) 	Wiring Category 3 ²
	<ul style="list-style-type: none"> • Relay Cartridge 	Wiring Category 1 ²
Location	1771-A1B, -A2B, A3B, -A3B1, -A4B chassis; left-most slot	
Weight	PLC-5/20, -5/26, -5/30: 3 lbs, 3 oz (1.45 kg) PLC-5/40, -5/40L, -5/46: 3 lbs, 2 oz (1.42 kg) PLC-5/60, -5/60L: 3 lbs, 2 oz (1.42 kg) PLC-5/80, -5/86: 3 lbs, 2 oz (1.42 kg)	
Certifications ³ (when product is marked)	UL UL Listed Industrial Control Equipment CSA CSA Certified Process Control Equipment CSA CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations CE European Union 89/336/EEC EMC Directive, compliant with: EN 50082-2: Industrial Immunity EN 61326; Meas./Control/Lab. Industrial Requirements EN 61000-6-2: Industrial Immunity EN 61000-6-4: Industrial Emissions C-Tick Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11: Industrial Emissions	

1785-L40B Controller - European Hazardous Location Approval European Zone 2 Certification (The following applies when the product bears the EEx Marking)

This equipment is intended for use in potentially explosive atmospheres as defined by European Union Directive 94/9/EC. The LCIE (Laboratoire Central des Industries Electriques) certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of Category 3 equipment intended for use in potentially explosive atmospheres, given in Annex II to this Directive. The examination and test results are recorded in confidential report No. 28 682 010.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 50021.

IMPORTANT

- This equipment is not resistant to sunlight or other sources of UV radiation.
- The secondary of a current transformer shall not be open-circuited when applied in Class I, Zone 2 environments.
- Equipment of lesser Enclosure Type Rating must be installed in an enclosure providing at least IP54 protection when applied in Class I, Zone 2 environments.
- This equipment shall be used within its specified ratings defined by Allen-Bradley.
- Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 40% when applied in Class I, Zone 2 environments.

¹ The clock/calendar will update appropriately each year.

² For more information, refer to publication 1770-4.1, *Industrial Automation Wiring and Grounding Guidelines*.

³ See the Product Certification link at www.ab.com for Declarations of Conformity, Certificates, and other certification details